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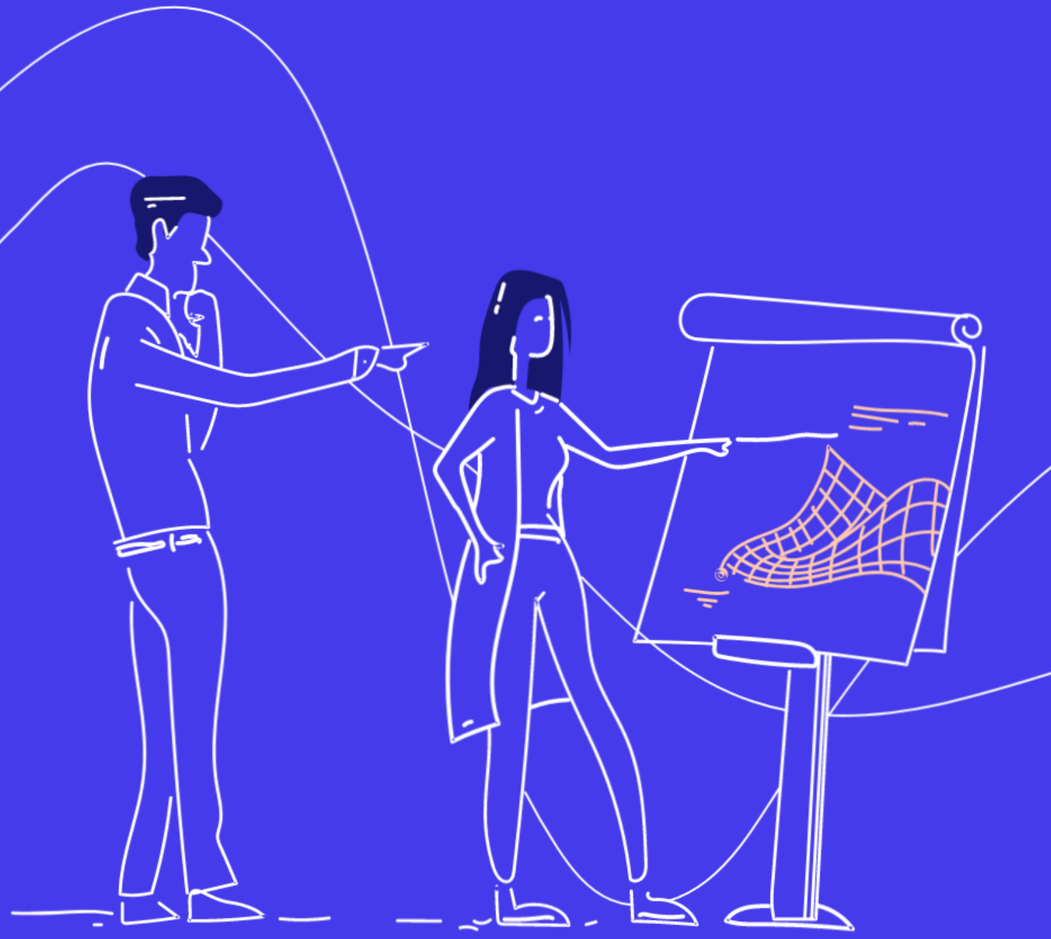
COMSOL Multiphysics® Fluid Flow and Heat Transfer



SciEngineer's training courses are designed to help organizations and individuals close skills gaps, keep up-to-date with the industry-accepted best practices and achieve the greatest value from MathWorks® and COMSOL® Products.

COMSOL Multiphysics® Fluid Flow and Heat Transfer

This course is the recommended starting point for learning how to use the COMSOL Multiphysics® software. During the 3-day COMSOL Multiphysics® Intensive training course, you will develop a strong foundation for your future Multiphysics modeling work. We start at an introductory level, leading students through the essential steps needed in all analyses (geometry creation, interactive meshing techniques, model setup, postprocessing, etc.) Then, we move into more advanced topics, such as solution techniques and Multiphysics modeling.

To teach this course, we use a combination of instructor- and self-guided hands-on training as well as theoretical and practical lecture. The goal is to immerse you in all
of the main aspects of using COMSOL Multiphysics®, so that you feel comfortable working with the software. You will leave the course feeling confident that you are correctly solving your simulation problems with COMSOL Multiphysics®.

Suggested Background

The COMSOL Multiphysics® Intensive course is suitable for anyone with an engineering, physics, or science background. No previous experience with the COMSOL Multiphysics® software is required.

All participants will receive a 14-days free trial license of the current COMSOL Multiphysics® software version. The units will be recorded and made available to attendees as video until the end of the trial period.

Day 1

09:00-12:30
(Please plan to check in between 8:45-9:00)

- UNIT 1: Introduction to the GUI and Workflow to Setup a Model
- UNIT 2: Geometry
- UNIT 3: Meshing

12:30-14:30

- optional self training (practical exercises)

14:30-15:30

- Discussion of Exercises, Q&A and Personal Assistance, with possibility to reserve a 10-minutes 1-on-1 slots

Day 2

09:00-12:30
(Please plan to check in between 8:45-9:00)

- UNIT 4: Single Physics Models
- UNIT 5: Study Extensions
- UNIT 6: Solving Linear and Nonlinear Stationary Problems

12:30-14:30

- optional self training (practical exercises)

14:30-15:30

- Discussion of Exercises, Q&A and Personal Assistance, with possibility to reserve a 10-minutes 1-on-1 slots

Day 3

09:00-12:30
(Please plan to check in between 8:45-9:00)

- UNIT 7: CAD Import and Advanced Meshing
- UNIT 8: Solving Time-Dependent and Frequency Domain Models
- UNIT 9: Solving Multiphysics Models

12:30-14:30

- optional self training (practical exercises)

14:30-15:30

- Discussion of Exercises, Q&A and Personal Assistance, with possibility to reserve a 10-minutes 1-on-1 slots

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Expand your knowledge